AUTHOR INDEX

Volume 81 • 1999

Aikawa, N. and Ohmori, K.
Zaldaride effect on visceral pain reflex 381
Aikawa, N., Horikoshi, K., Maeda, H., Kobayashi, H. and Ohmori, K.
Antidiarrheal effect of zaldaride 397
Akahori, K. *See* Yoshikawa, M.
Akaike, A. *See* Kaneko, S.
Akiyama, C., Nagao, T. and Kurose, H.
Desensitization of β-adrenergic receptor 12
Arai, K., Tanoue, A., Goda, N., Takeda, Masayuki, Takahashi, Kota and Tsujimoto, G.
Structure of α1D-adrenergic receptor gene 271
Azuma, H., Sato, J., Masuda, H., Goto, M., Tamaoki, S., Sugimoto, Akiko, Hamasaki, H. and Yamashita, H.
ATZ1993 on intimal hyperplasia 21
Azuma, M. *See* Yoshizumi, M.

Ball, B. *See* Raasch, W.
Bartolini, A. *See* Ghelardini, C.
Bavbek, M. *See* Demirpençe, E.
Bernátová, I., Pecháňová, O. and Kristek, F.
Effect of L-NAME on the rat aorta 99

Caner, H. *See* Demirpençe, E.
Carretero, O.A. *See* Qadri, F.
Chan, A. *See* Ho, A.K.S.
Cheng, C.-Y. *See* Lee, Y.-M.
Chiba, S. *See* Yang, X.-P.
Chino, Y., Minagawa, T., Kohno, Y., Fukushima, K. and Momma, K.
Ductal accumulation of lipo PGE_1 107
Chugun, A. *See* Hara, Y.

Demirpençe, E., Caner, H., Bavbek, M. and Kılınç, K.
Antioxidant action of mexiletine 7
Dendorfer, A. *See* Raasch, W.
Dominiak, P. *See* Raasch, W.
Duffield, R. *See* Ho, A.K.S.

Egashira, T., Takayama, F. and Yamanaka, Y.
Antidepressant and animal species MAO 115
Enomoto, M. *See* Nakayama, K.

Fantetti, L. *See* Ghelardini, C.
Fujibayashi, K. *See* Sugimoto-Watanabe, Azusa
Fujii, T. *See* Ochi, T.
Fujisawa, S. and Iijima, T.
Arginine vasopressin and inotropism 309
Fukazawa, H. *See* Koda, H.
Fukumitsu, A., Takano, Y., Iki, A., Honda, K., Saito, R., Katsuragi, T. and Kamiya, H.
EFS-induced contraction by purinoceptors 375
Fukushima, K. *See* Chino, Y.
Fukuta, Y. *See* Nakayama, K.
Funakoshi, A. *See* Kawanami, T.
Furushiro, M. *See* Suzuki, Satoru
Futamura, K. *See* Hara, Y.

Galeotti, N. *See* Ghelardini, C.
Ghelardini, C., Galeotti, N., Fantetti, L., Gualtieri, F., Scapecchi, S. and Bartolini, A.
R-(+)-Hyoscyamine antinociception in rabbits 34
Goda, N. *See* Arai, K.
—— *See* Kikuchi, S.
Goto, K. *See* Ichida, K.
Goto, M. *See* Azuma, H.
Goto, T. *See* Ochi, T.
Gualtieri, F. *See* Ghelardini, C.

Hamasaki, H. *See* Azuma, H.
Hara, Y., Chugun, A., Futamura, K., Nishino, T. and Kondo, H.
Diazepam increases calcium sensitivity 122
Hashimoto, K. *See* Satoh, Y.
Hashimoto, Y., Ohashi, R., Minami, K. and Narita, H.
TA-606, a novel AT_1 antagonist 63
Hatano, Y. *See* Kinoshita, H.
Ho, A.K.S., McLaughlin, R., Chan, A. and Duffield, R.
6-OHDA in developing chicken embryo 38
Honda, K. *See* Fukumitsu, A.
Honma, T. *See* Tsuga, H.
Horikoshi, K. *See* Aikawa, N.
Hotta, K. *See* Kodaira, H.
Houchi, H. *See* Yoshizumi, M.
Hyodo, M. *See* Yoshikawa, M.

Ichida, K., Ikeda, M., Goto, K. and Ito, K.
Palytoxin-induced channel in megakaryocytes 200
Iida, M. *See* Nakayama, K.
Iijima, T. *See* Fujisawa, S.
Iizuka, Y. *See* Kashiwagi, K.
Ikeda, M. *See* Ichida, K.
Ikeoka, K. *See* Takahashi, Keiko
Iki, A. *See* Fukumitsu, A.
Inagami, T. *See* Okuyama, S.
Inaguma, K. *See* Yoshida, M.
Inoue, M. *See* Pecháňová, O.
Inui, D. *See* Yoshizumi, M.
Iranami, H. *See* Kinoshita, H.
Ishibashi, T., Yoshida, J. and Nishio, M.
Evaluation of NOx in vivo 317
Ishida, H. *See* Koda, H.
Ishihara, K. *See* Kodaira, H.
Ishihara, T. *See* Takao, K.
Ishii, K. *See* Kodaira, H.
—— *See* Nakayama, K.
Ishii, T. *See* Teramoto, S.
Ishikawa, T. *See* Nakayama, K.
Ito, K. *See* Ichida, K.
Ito, M. *See* Yoshida, M.
Iwahashi, S. *See* Kinoshita, H.
Iwao, K. *See* Yoshikawa, M.
Iwasaki, T. *See* Takahashi, Keiko
Iwata, H. *See* Nakayama, K.
Iwata, S. *See* Mitsuda, M.
Iwatsuki, Y. *See* Nakayama, K.

Kagoshima, M. *See* Kodaira, H.
Kakutani, T. *See* Kinoshita, H.
Kamei, H. *See* Maurice, T.
Kamiya, H. *See* Fukumitsu, A.

Kanai, M. *See* Yoshikawa, M.
Kanai, S. *See* Kawanami, T.
Kaneko, S., Akaike, A. and Satoh, M.
Modulation of Ca^{2+} channels by G-proteins 324
Kashiba, M. *See* Pecháňová, O.
Kashiwagi, K., Iizuka, Y. and Tsukahara, S.
Metabolites of unoprostone in the eye 56
Katsuragi, T. *See* Fukumitsu, A.
Kawanami, T., Suzuki, Shinji, Yoshida, Y., Kanai, S., Takata, Y., Shimazoe, T., Watanabe, S., Funakoshi, A. and Miyasaka, K.
Trypsin inhibitor and pancreatic secretion 339
Kido, H. *See* Yoshizumi, M.
Kikuchi, S., Tanoue, A., Goda, N., Matsuo, N. and Tsujimoto, G.
Structure of V1a and V1b receptor genes 388
Kılınç, K. *See* Demirpençe, E.
Kinoshita, H., Iwahashi, S., Kakutani, T., Mizumoto, K., Iranami, H. and Hatano, Y.
Nitric oxide and levcromakalim 362
Kirima, K. *See* Yoshizumi, M.
Kitamura, K. *See* Yoshikawa, M.
Kiuchi, S. *See* Okuyama, K.
Kiyoshi, A. *See* Nakayama, K.
Kobayashi, H. *See* Aikawa, N.
Kobayashi, T. *See* Yoshikawa, M.
Kobayashi, Y. *See* Kuro, T.
Koda, H., Yokoo, Y., Matsumoto, N., Suwa, Y., Fukazawa, H., Ishida, H., Tsuji, K., Nukaya, H. and Kuriyama, K.
N-Methyltyramine and α_2-adrenoceptor 313
Kodaira, H., Ishihara, K., Hotta, K., Kagoshima, M., Shimada, H. and Ishii, K.
Gastric mucus contains salivary mucin 86
Kohno, S. *See* Yamashita, K.
Kohno, Y. *See* Chino, Y.
Kondo, H. *See* Hara, Y.
Kosasa, T., Kuriya, Y. and Yamanishi, Y.
Effect of donepezil on extracellular ACh 216
Kristek, F. *See* Bernatova, I.
Kubota, K. *See* Sugimoto-Watanabe, Azusa
Kudo, S. *See* Suzuki, Satoru
Kudo, Y. *See* Okuyama, K.
Kuraishi, Y. *See* Yamazaki, N.
Kuriya, Y. *See* Kosasa, T.
Kuriyama, K. *See* Koda, H.
Kuro, T., Kobayashi, Y., Takaoka, M. and Matsumura, Y.
Acute renal failure and Na^+/Ca^{2+} exchanger 247
Kurose, H. *See* Akiyama, C.
Kwan, C.Y. *See* Leung, Y.M.

Lee, Y.-M., Peng, Y.-Y., Sheu, J.-R., Cheng, C.-Y. and Yen, M.-H.
MJ-355, a novel K_{ATP} channel opener 185
Leung, Y.M. and Kwan, C.Y.
Store-operated Ca^{2+} channel blockers 253

Maeda, H. *See* Aikawa, N.
Masuda, H. *See* Azuma, H.
Matsuda, Y. *See* Tsukuda, E.
Matsui, H. *See* Teramoto, S.
Matsumoto, N. *See* Koda, H.
Matsumura, Y. *See* Kuro, T.
Matsuo, N. *See* Kikuchi, S.
Matsuse, T. *See* Teramoto, S.
Maurice, T., Phan, V.-L., Urani, A., Kamei, H., Noda, Y. and Nabeshima, T.
The neurosteroid/σ_1 receptor interaction 125
McLaughlin, R. *See* Ho, A.K.S.
Minagawa, T. *See* Chino, Y.
Minami, K. *See* Hashimoto, Y.
Minami, M. *See* Nakagawa, T.
Misawa, M. *See* Suzuki, T.
Mita, S. *See* Takao, K.
Mitsuda, M., Nomoto, M. and Iwata, S.
β-Blockers and nicardipine on tremor 244
Miyasaka, K. *See* Kawanami, T.
Miyazaki, M. *See* Takao, K.
Mizumoto, K. *See* Kinoshita, H.
Momma, K. *See* Chino, Y.
Mori, T. *See* Suzuki, T.
Motoyama, Y. *See* Ochi, T.
Murakami, Y. *See* Wang, M.
Murata, N. *See* Tanaka, T.

Nabe, T. *See* Yamashita, K.
Nabeshima, T. *See* Maurice, T.
Nagao, T. *See* Akiyama, C.
Nagase, T. *See* Teramoto, S.
Nakabayashi, M. *See* Yoshikawa, M.
Nakagawa, T., Ozawa, T., Watanabe, T., Minami, M. and Satoh, M.
κ-Opioid receptor-induced cAMP overshoot 353
Nakahata, N., Yaginuma T. and Ohizumi, Y.
Maitotoxin on PI hydrolysis 240
Nakamura, K. *See* Wang, M.
Nakayama, K., Fukuta, Y., Kiyoshi, A., Iwatsuki, Y., Ishii, K., Ishikawa, T., Iida, M., Iwata, H. and Enomoto, M.
Monocrotaline pulmonary hypertension 176
Narita, H. *See* Hashimoto, Y.
—— *See* Okuyama, K.
Nishi, H.
P2Y receptors in adrenocortical cells 194
Nishino, T. *See* Hara, Y.
Nishio, M. *See* Ishibashi, T.
Noda, Y. *See* Maurice, T.
Nomoto, M. *See* Mitsuda, M.
Nomura, M. *See* Suzuki, T.
Nukaya, H. *See* Koda, H.

Ochi, T., Fujii, T., Motoyama, Y. and Goto, T.
Anti-hyperalgesic effect of FR140423 94
Ohashi, R. *See* Hashimoto, Y.
Ohga, E. *See* Teramoto, S.
Ohizumi, Y. *See* Nakahata, N.
Ohmori, K. *See* Aikawa, N.
Ohyanagi, M. *See* Takahashi, Keiko
Oka, T. *See* Yoshikawa, M.
Okada, S. *See* Wang, M.
Okamoto, M. *See* Okuyama, K.
Okuyama, K., Kiuchi, S., Okamoto, M., Narita, H. and Kudo, Y.
T-477 prevents brain edema in rats 170
Okuyama, S., Sakagawa, T. and Inagami, T.
AT_2-deficient mice and behavior 259
Onodera, K. *See* Suzuki, T.
Osumi, Y. *See* Wang, M.
Ouchi, Y. *See* Teramoto, S.
Ozawa, T. *See* Nakagawa, T.

Pecháňová, O. *See* Bernátová, I.
Pecháňová, O., Kashiba, M. and Inoue, M.
Role of glutathione during NO deficiency 223
Peng, Y.-Y. *See* Lee, Y.-M.
Phan, V.-L. *See* Maurice, T.

Qadri, F., Carretero, O.A. and Scicli, A.G.
Brain NO and baroreceptor reflex 279
Qi, Z. *See* Tohda, M.

Raasch, W., Dendorfer, A., Ball, B. and Dominiak, P.
Lipophilic properties of ACE inhibitors 346

Saito, K. *See* Sugimoto-Watanabe, Azusa
Saito, R. *See* Fukumitsu, A.
Sakagawa, T. *See* Okuyama, S.
Sakai, M. *See* Suzuki, Satoru
Sato, J. *See* Azuma, H.
Satoh, M. *See* Kaneko, S.
—— *See* Nakagawa, T.
Satoh, Y., Sugiyama, A., Tamura, K. and Hashimoto, K.
Cardiovascular effects of dofetilide 79
Scapecchi, S. *See* Ghelardini, C.
Scicli, A.G. *See* Qadri, F.
Sheu, J.-R. *See* Lee, Y.-M.
Shimada, H. *See* Kodaira, H.
Shimazoe, T. *See* Kawanami, T.
Shimizu, N. *See* Tsuda, M.
Sugimoto, Akiko *See* Azuma, H.
Sugimoto-Watanabe, Azusa, Kubota, K., Fujibayashi, K. and Saito, K.
Endomorphin and newborn rat spinal cord 264
Sugiyama, A. *See* Satoh, Y.
Suwa, Y. *See* Koda, H.
Suzuki, Satoru, Furushiro, M., Takahashi, M., Sakai, M. and Kudo, S.
Effects of SB-tPS on cerebral ischemia 237
Suzuki, Shinji *See* Kawanami, T.
Suzuki, T. *See* Tsuda, M.
Suzuki, T., Mori, T., Tsuji, M., Nomura, M., Misawa, M. and Onodera, K.
H_1-Antagonists-induced rewarding effects 332

Takahashi, Keiko, Ohyanagi, M., Ikeoka, K. and Iwasaki, T.
Coronary arterioles and cholesterol 156
Takahashi, Kota *See* Arai, K.
Takahashi, M. *See* Suzuki, Satoru
Takai, S. *See* Takao, K.
Takano, Y. *See* Fukumitsu, A.
Takao, K., Takai, S., Ishihara, T., Mita, S. and Miyazaki, M.
Inhibition of human chymase by suramin 404
Takaoka, M. *See* Kuro, T.
Takata, Y. *See* Kawanami, T.
Takayama, F. *See* Egashira, T.
Takeda, Masayuki *See* Arai, K.
Takeda, Motohiro, Tsukamoto, K., Yamano, M. and Uesaka, H.
SK-951 and gastric emptying 292
Tamaki, T. *See* Yoshizumi, M.
Tamaoki, S. *See* Azuma, H.
Tamura, K. *See* Satoh, Y.
Tanaka, T., Murata, N. and Yamauchi, Y.
Effect of nipradilol on soleus muscle 286
Taniguchi, T. *See* Yoshikawa, M.
Tanoue, A. *See* Arai, K.
—— *See* Kikuchi, S.
Teramoto, S., Matsuse, T., Matsui, H., Ohga, E., Ishii, T., Nagase, T. and Ouchi, Y.
Ad vector-induced apoptosis in gland cells 73
Tohda, M., Qi, Z. and Watanabe, H.
Elevation of GAPDH mRNA by imipramine 393
Tomioka, H. *See* Yamashita, K.
Tsuchiya, K. *See* Yoshizumi, M.
Tsuda, M., Shimizu, N. and Suzuki, T.
Benzodiazepine withdrawal signs and glutamate receptors 1
Tsuga, H., Wang, R.-S. and Honma, T.
Effects of toluene on adenylyl cyclase 305
Tsuji, K. *See* Koda, H.
Tsuji, M. *See* Suzuki, T.
Tsujimoto, G. *See* Arai, K.
—— *See* Kikuchi, S.
Tsukahara, S. *See* Kashiwagi, K.
Tsukamoto, K. *See* Takeda, Motohiro
Tsukuda, E. and Matsuda, Y.
Benidipine and neuronal Ca increase 401

Uesaka, H. *See* Takeda, Motohiro
Umeno, H. *See* Yamazaki, N.
Urani, A. *See* Maurice, T.

Wang, M., Yokotani, K., Nakamura, K., Murakami, Y., Okada, S. and Osumi, Y.
Melatonin and adrenomedullary outflow 29
Wang, R.-S. *See* Tsuga, H.
Watanabe, H. *See* Tohda, M.
Watanabe, S. *See* Kawanami, T.
Watanabe, T. *See* Nakagawa, T.

Yaginuma T. *See* Nakahata, N.
Yamanaka, Y. *See* Egashira, T.
Yamanishi, Y. *See* Kosasa, T.
Yamano, M. *See* Takeda, Motohiro
Yamashita, H. *See* Azuma, H.
Yamashita, K., Nabe, T., Tomioka, H. and Kohno, S.
Chemical mediators inchronic asthma 48
Yamauchi, Y. *See* Tanaka, T.
Yamazaki, N., Umeno, H. and Kuraishi, Y.
Calcitonin analgesia and brain serotonin 367
Yang, X.-P. and Chiba, S.
Neurotransmission in cold stored vessel 163
Yasuoka, H. *See* Yoshizumi, M.
Yen, M.-H. *See* Lee, Y.-M.
Yokogami, K. *See* Yoshikawa, M.
Yokoo, Y. *See* Koda, H.
Yokotani, K. *See* Wang, M.
Yoshida, J. *See* Ishibashi, T.
Yoshida, M., Inaguma, K. and Ito, M.
Stress gastric lesions in nephrotic rats 230
Yoshida, Y. *See* Kawanami, T.
Yoshikawa, M., Yokogami, K., Kitamura, K., Kobayashi, T., Kanai, M., Taniguchi, T., Akahori, K., Nakabayashi, M., Iwao, K., Hyodo, M. and Oka, T.
Effect of antisense on μ-receptor mRNA 209
Yoshizumi, M., Inui, D., Kirima, K., Tsuchiya, K., Houchi, H., Azuma, M., Yasuoka, H., Kido, H. and Tamaki, T.
ETs (1–31) and $[Ca^{2+}]_i$ in SMC 298

SUBJECT INDEX

Volume 81 • 1999

Acetylcholine 156, 216
Acetylcholinesterase inhibitor 216
Adenoviral vector 73
Adenylyl cyclase 305, 353
Adrenergic development 38
α1D-Adrenergic receptor 271
β_1-Adrenergic receptor 12
α_2-Adrenoceptor 313
β_2-Adrenoceptor 286
Angiotensin 259
Angiotensin I-converting enzyme 346
Angiotensin I-converting enzyme inhibitor 346
Angiotensin II receptor antagonist 63
Animal species 115
Antidepressant 115, 393
Antinociception 34
Antioxidant 7
Antisense oligodeoxynucleotide 209
Anxiogenic behavior 259
Aorta 99, 362
Apoptosis 73
Arrhythmia 185
Asthma (experimental) 48
AT_1 receptor 259
AT_2 receptor 259
ATP 194, 375
ATP-sensitive K^+ channel 176, 185, 362
Atropine 34
ATZ1993 (3-carboxy-4,5-dihydro-1-[1-(3-ethoxyphenyl)propyl]-7-(5-pyrimidinyl) methoxy-[1*H*]-benz[g]indazole) 21
Autoradioluminography 107

Ballon endothelial denudation 21
Baroreceptor reflex sensitivity 279
Benidipine 401
Benzodiazepine 1
Bicarbonate 339
Binding assay 176
β-Blocker 244, 286
Blood 317
Blood pressure 99
Bovine adrenocortical cell 194
Brain 115
Brain edema 170
Brain membrane 7
Brain nitric oxide 279

Ca^{2+} 240
Ca^{2+} channel 176, 253
Ca^{2+} channel (voltage-dependent) 324
Ca^{2+} channel blocker 244
Ca^{2+} current (L-type) 309
Calcitonin analgesia 367
Calcium sensitivity 122
Calmodulin 381, 397
cAMP 99
Cardiac 38
Cardiac muscle (skinned) 122
Cardiovascular system 317
Carotid artery (rabbit) 21
Cation channel (non-selective) 200
Cerebral cortex 216
Cerebral ischemia 237
Chimeric G protein α subunit 353
CHO cell 353
Cholecystokinin 339
Cholecystokinin-A receptor 339
Cholinergic system 34
Chymase (human) 298, 404
Cold storage 163
Conditioned place preference 332
Confocal laser microscopy 298
Conscious dog 63
Coronary resistance arteriole 156
Cysteinyl leukotriene 48

Depression 125
Desensitization 12
Diarrhea 397
Diazepam 122
Differential display 393
Dofetilide 79
Donepezil hydrochloride (E2020: (±)-2-[(1-benzylpiperidine-4-yl)methyl]-5,6-dimethoxy-indan-1-one monohydrochloride) 216
Dopamine D_1 receptor 332
Dopamine uptake inhibition 332
Drug delivery 107
Ductus arteriosus 107

E2020 (donepezil hydrochloride: (±)-2-[(1-benzylpiperidine-4-yl)methyl]-5,6-dimethoxy-indan-1-one monohydrochloride) 216
E1-deleted adenoviral vector 73
Endomorphin-1 and -2 264
Endothelin receptor antagonist 21
Endothelins (1-21) 298
Endothelins (1-31) 298
Endothelium 156, 346, 362
Enkephalin 264
Enzymatic degradation 264
Eosinophil 48
Esterase 56
Experimental asthma 48

FR140423 (3-(difluoromethyl)-1-(4-methoxyphenyl)-5-[4-(methylsulfinyl)phenyl]pyrazole) 94

G protein-coupled receptor 305
G protein-coupled receptor kinase 12
G protein α subunit (chimeric) 353
Gastric emptying 292
Gastric mucus gel 86
Gastric secretion 230
Gastroparesis 292
Gastroprotection 230
Gene 271
Ginsenoside 253
Glaucoma 56
Glibenclamide 362
Glutamate receptor 1
Glutathione 223
Glyceraldehyde-3-phosphate dehydrogenase 393
GTP-binding protein 324

H_1 antagonist 332
Heparin 404
Histamine 48
5-HT_4 receptor 292
6-Hydroxydopamine 38
R-(+)-Hyoscyamine 34
Hyperalgesia (yeast-induced) 94
Hypercholesterolemia 156
Hypertension 185, 223

I_{Kr} blocker 79
Interleukin-1β 29
Intestinal distention 381
Intimal hyperplasia 21
Intracellular calcium concentration 401
Intracellular free Ca^{2+} 298
Ischemia 170
Ischemic acute renal failure 247
Isopropyl unoprostone 56
Isoproterenol 286

K^+ channel (ATP-sensitive) 176, 185, 362

L-type Ca^{2+} current 309
LacZ gene 73
Lectin 86
Lipid microsphere 107
Lipid peroxidation 7
Lipophilic property 346
Local anesthetics 34
LOE 908 ((*R*,*S*)-(3,4-dihydro 6,7-dimethoxy isoquinoline-1-y1)-2-phenyl-*N*,*N*-di[2-(2,3,4-trimethoxyphenyl)ethyl]-acetamide) 253
Long QT syndrome 79
LU52396 (1-[2-(4-fluorophenyl)cyclohexyl]-2-[4-(3-phenylalkyl)-piperazin-1-yl]-ethanol) 253

Maitotoxin 240
Megakaryocyte 200
Melatonin 29
Membrane penetration 346
Memory 125
Metabolism 56
N-Methyltyramine 313
Mexiletine 7
Microdialysis 216
Microsphere 170

Monoamine oxidase A 115
Monoamine oxidase B 115
Monocrotaline 176
Monophasic action potential 79
mRNA level 209
Mucous goblet cell 73
Myocardial ischemia 185

N-type 324
Na^+/Ca^{2+} exchanger 247
Nephrosis 230
Neuromodulation 125, 259
Neuron 401
Neurosteroid 125
Nipradilol 286
Nitrate (NO_3^-) 317
Nitric oxide 99, 223, 279, 317, 362
Nitric oxide synthase 223
Nitric oxide synthase activity 279
Nitrite (NO_2^-) 317
N^G-Nitro-L-arginine methyl ester 99, 223
Nociceptive hypersensitivity 367
Non-selective cation channel 200
Noradrenaline 367

Opioid 94, 367
μ-Opioid receptor 209
κ-Opioid receptor 353
Oral administration 237
Orthostatic hypotension 63
Oxidative injury 7
Oxotremorine-induced tremor 244

P/Q-type 324
P2 receptor 194
P2x receptor 375
P2y receptor 375
Palytoxin 200
Pancreas 339
Pathological aging 125
Phosphatidylserine 237
Phosphoinositide hydrolysis 240
Pinealectomy 29
Place preference (conditioned) 332
Plasma catecholamine 29
Post repolarization refractoriness 79
Prostaglandin 56
Prostaglandin E_1 107
Prostaglandin formation 94
Protein kinase A 12
Protein kinase C 309
Pulmonary hypertension 176
Purinergic transmission 163

Renal failure (ischemic acute) 247
Renal function 247
Renal hypertension 63
Reperfusion 185
RT-PCR (reverse transcription-polymerase chain reaction) 209

Saliva 86
Scopolamine 313
Sensitization 353
Serotonin 367
Sf9 cell 12
Sialomucin 86
Sigma$_1$ receptor 125
SK&F 96365 (1-{β-[3-(4-methoxyphenyl) propoxy]-4-methoxyphenethyl}-1*H*-imidazole hydrochloride) 253
SK-951 ((−)4-amino-*N*-[2-(1-azabicyclo [3.3.0]octan-5-yl)ethyl]-5-chloro-2,3-dihydro-2-methylbenzo[*b*]furan-7-carboxamide hemifumarate) 292
Skinned cardiac muscle 122
Slow ventral root potential 264
Soleus muscle (cat) 286
Spinal cord 264
Splenic artery 163
SPOC1 cell 73
Spontaneously hypertensive rat 279
Steroidogenesis 194
Stress 125, 230
Suramin 404
Sympathetic nerve stimulation 163
Sympatho-adrenomedullary outflow 29

T-477 ((*R*)-(+)-2-(4-chlorophenyl)-2,3-dihydro-4-diethyl aminoacetyl-4*H*-1,4-benzothiazine hydrochloride) 170
TA-606 (3-pentyloxy)-carbonyloxymethyl-5-acetyl-2-*n*-propyl-3-[2′(1*H*-tetrazole-5-yl) biphenyl-4-yl]methyl-4,5,6,7-tetrahydro-imidazo[4,5-*c*]pyridine-4-carboxylate hydrochloride) 63
Tail artery 375
Tetrandrine 253
Thromboxane A_2 48
Toluene 305
Tremor (oxotremorine-induced) 244
Trypsin inhibitor 339
Tyramine 163

Unanesthetized rat 170
UTP 194

V1a vasopressin receptor gene (mouse) 388
V1b vasopressin receptor gene (mouse) 388
Vagotomy 292
Vascular smooth muscle 156
Vasocontraction 375
Vasopressin-1 receptor 309
Visceral pain 381
Voltage-dependent Ca^{2+} channel 324

Wistar-Kyoto rat 279
Withdrawal sign 1

Yeast-induced hyperalgesia 94

Zaldaride maleate 381, 397